Srikar Talluri

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EDUCATION

University of California at Berkeley   Aug 2021 – May 2025
Dual Bachelors in Computer Science and Math   *Berkeley, CA*
- Overall GPA: 3.85
- Selected Coursework: Efficient Algorithms, Computer Arch, Artificial Intelligence, Operating Systems, Optimization Models, Probability Theory, Multivariable Calculus, Discrete Math, Linear Algebra, Real Analysis, Quant Finance
- Activities: Mathematics Undergraduate Student Association, Competitive Programming at Berkeley, Poker@Berkeley, Berkeley Forum (Debate), Berkeley Formula Racing, Pickleball Team

WORK EXPERIENCE

Data Platform Engineering Intern   June 2023 – August 2023
Condé Nast   *New York City, NY*
- Built and Maintained robust, enterprise-scale pipelines to process daily 50+ petabytes of user data into delta tables
- Designed ETL processes utilizing Apache Spark, Databricks, DynamoDB to retrieve active subscriber data from S3
- Proposed and Implemented App Service to intelligently ship out overstocked products through subscriptions, potentially earning $175,000 annually; Achieved 1st place among intern cohort pitch competition
- Tech: Databricks, Pipeline ETL's, Apache Spark, AWS DynamoDB, Airflow DAG's, Docker, Astro CLI

Software Engineering Intern   Oct 2022 – May 2023
S and C Electric Co.   *Alameda, CA*
- Designed and implemented automated test systems in C++ in low power environments to reduce latency on electric grids' motherboards by 67ms (from 150ms)
- Developed production-scale web application for data analysis and visualization on WiFi-enabled GPS devices
- Automated 86% of daily regression checks through intelligent device classification model with Selenium and Jenkins
- Tech: C++, React, Raspberry Pi, Selenium, Jenkins, Batch Scripts, SCRUM

Software Engineering Intern   Jun 2022 – Aug 2022
ANB Systems   *Houston, TX*
- Improved client security by building Redaction service to change sensitive data in documents using JavaScript
- Implemented and maintained document recognition system of 500+ PDF's using OCR detection software
- Cut debugging costs by 83% displaying backend document extraction status and metadata on user dashboard
- Tech: Python, Postman, JavaScript, AWS S3, OpenCV, tesseract

Data Collection Engineer   August 2021 – May 2022
Berkeley Formula Racing   *Berkeley, CA*
- Prototyped and built formula-style, single-seat race car to compete in annual intercollegiate race
- Researched, contacted, and maintained relationships with 40+ sponsors, leading to $20k increase in available budget
- Analysis of vehicle dynamics led to 15% increase in maximum HP and 6% decrease in weight, while maintaining downforce
- Tech: Solidworks, AutoCAD, Arduino, Soldering, Stress Calculations, Equipment Fabrication

SELECTED PROJECTS

Bay Area Rapid Transit (BART) Train Schedule App | *Python, Django, React, PostgreSQL, BART API*   2023
- Developed full-stack app that provides real-time BART train departure times with Django, PostgreSQL and React
- Allows users to efficiently filter departure times based on station, line, and direction using custom SQL commands
- Implemented responsive interface using React and backend server using Django that connects to necessary API's

Pacman Agent Model | *Python, GUI, Anaconda Virtual Env, Git*   2022
- Implemented Pacman AI using Approx. Q-learning in adversarial minimax and expectimax search problems
- Used Bayesian networks and Hidden Markov Models to find ghosts on board given noisy readings of distances

Reprogramming Num.py in C | *C, Python, SIMD, Parallelism, Memory Allocation*   2022
- Developed simplified version of NumPy Python library in C for fast matrix multiplication and array manipulation
- Achieved speedup ratio of 55.7x times using parallelism and Single Instruction Multi Data (SIMD) commands

TECHNICAL SKILLS

Languages: Java, Python, C/C++, JavaScript, HTML/CSS, R, SQL, Bash, VBA
Frameworks: React, Django, Mongo, PostgreSQL, Next.js, Node, JUnit, Material-UI, Apache Spark
Developer Tools: Git, AWS Cloud, Github/Gitlab/BitBucket, Docker, Jenkins, Postman, VS Code, IntelliJ, Conda
Libraries: pandas, NumPy, Matplotlib, OpenCV, Discord.py, BeautifulSoup, SKLearn, TensorFlow, Selenium